

A1
cont.

this synchronization even after one of the images is panned, zoomed, scrolled, or otherwise caused to display a different region. Whenever such a change occurs on one map, the system causes the same change to occur on the other map as well. In this way, the two images continue to display the same region, without the need of manually adjusting both maps. In addition the synchronization system allows annotations to be placed on either map at specified geographic locations, and causes a matching annotation to appear on the other map in the corresponding location.

Please amend the first and second full paragraphs on page 9 of the specification to read as follows:

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Figure 4 shows a map manipulation process in accordance with the preferred embodiment. First, the data processing system loads and displays two maps, Map1 and Map2, according to a user selection (**step 400**). For purposes of this example, assume that Map1 is a digital raster map, and Map2 is a vector map showing substantially the same region. It should be noted that the maps displayed are not required to cover identical geographic regions, as long as they share some geographic area in common. Both maps according to the preferred embodiment, are previously georeferenced. In an alternate embodiment, the system will allow the user to georeference one or both maps, if required.

Next, an initial geographic region, which is present on both maps, is selected on Map1 and displayed by the system (**step 405**). Since Map1

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has been georeferenced, the boundaries of the selected region are determined, using Map1's set of georeferencing functions, in terms of longitude and latitude (**step 410**).

Please amend the first and second full paragraphs on page 11 of the specification to read as follows:

Common changes, that might occur to change the region displayed include the user panning, zooming, or scrolling one of the images. Annotations may be used to designate points of particular interest on the maps.

Certain minor adjustments are required in the display if a region is selected which is not entirely present on one or more of the maps, or if the aspect ratios of the screen display areas devoted to each map are different. In the first case, the system attempts a "best fit" when one map selection included area not found in the other map, and simply displays blank additional area to fill the missing region, so that the map windows will be filled and the synchronization of the images maintained. In the second case, the other map can be scaled to reflect the same area, or alternatively one or more of the map windows may be equipped with scroll bars, so that the effective dimensions of the map windows become identical.

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